

SEQUENCE LISTING

<110> Scott, Robert E.
 <120> cDNA encoding P2P proteins and use of P2P cDNA-derived antibodies and antisense reagents in determining the proliferative potential of normal, abnormal and cancer cells in animals and humans
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 <141> 2001-03-16
 <150> US 08/801,308
 <151> 1997-02-18
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| Asn | Thr | Gly | Lys | Tyr | Ala | Ile | Pro | Thr | Ile | Asp | Ala | Glu | Ala | Tyr |
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| Ala | Ile | Gly | Lys | Lys | Glu | Lys | Pro | Pro | Phe | Leu | Pro | Glu | Glu | Pro |
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| Ser | Ser | Ser | Ser | Glu | Glu | Asp | Asp | Pro | Ile | Pro | Ala | Glu | Leu | Leu |
| | | | | 50 | | | | | 55 | | | | | 60 |
| Cys | Leu | Ile | Cys | Lys | Asp | Ile | Met | Thr | Asp | Ala | Val | Val | Ile | Pro |
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| Lys | Gln | Leu | Pro | Pro | Phe | Leu | Phe | Leu | Val | Pro | Pro | Pro | Arg | Pro |
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| Leu | Ser | Gln | Arg | Asn | Leu | Gln | Pro | Arg | Ser | Arg | Ser | Pro | Ile | Leu |
| | | | | 155 | | | | | 160 | | | | | 165 |
| Arg | Gln | Gln | Asp | Pro | Val | Val | Phe | Arg | Tyr | Thr | Val | Ser | Pro | Thr |

| | | | | |
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| Cys Ser Asp Thr | 170 | Cys Ser Asp Ser Gly Thr | 175 | 180 |
| Leu Ser Arg Leu | 185 | Pro Ala Pro Ser Ile | 190 | 195 |
| Gln Ser Ser Leu | 200 | Ala Pro Pro Val Ser | 205 | 210 |
| Pro Ala Pro Val | 215 | Pro Asp Ile Thr Ala | 220 | 225 |
| His Ser Glu Lys | 230 | Ser Asp Gly Pro Phe | 235 | 240 |
| Leu Leu Pro Ala | 245 | Ala Ala Leu Thr Ser | 250 | 255 |
| Ser Ser Ile Ala | 260 | Ile Thr Ala Leu Met | 265 | 270 |
| Gly Thr Ser Pro | 275 | Trp Asn Ser Ile Phe | 280 | 285 |
| His Gly Gln Leu | 290 | Ile Pro Thr Thr Gly | 295 | 300 |
| Ala Arg Pro Gly | 305 | Gly Gly Arg Pro Gly | 310 | 315 |
| Leu Gly Tyr Leu | 320 | Val Ser Pro Pro Gln | 325 | 330 |
| Arg Ser Cys Tyr | 335 | Arg Ser Ile Asn Arg | 340 | 345 |
| Arg Ser Gln Arg | 350 | Thr Gln Ser Pro Ser | 355 | 360 |
| Phe Val Pro Val | 365 | Pro Pro Pro Pro Leu | 370 | 375 |
| Thr Leu Pro Leu | 380 | Pro Pro Gly Val Pro | 385 | 390 |
| Gln Phe Pro Ser | 395 | Pro Pro Gln Phe Ser | 400 | 405 |
| Pro Pro Gly Phe | 410 | Ala Gly Tyr Ser Val | 415 | 420 |
| Phe Ser Pro Gly | 425 | Pro Pro Ala Pro Ala | 430 | 435 |
| Thr Gln Ala Pro | 440 | Val Pro Thr Ala His | 445 | 450 |
| Asn Asp Lys Gly | 455 | Ser Asn Thr Met Pro | 460 | 465 |
| Tyr Ser Arg Ser | 470 | Glu Phe Tyr Arg Glu | 475 | 480 |
| His Ile His Ala | 485 | Pro Tyr Ser Gly Ser | 490 | 495 |
| Asp Leu Leu His | 500 | Ser Gln Gly Leu Ala | 505 | 510 |
| Arg Ser Ala Met | 515 | Ser Ala Ala His Thr | 520 | 525 |
| His Ala Arg Ser | 530 | Pro Glu Glu Ala Glu | 535 | 540 |
| Ser Arg Ser Pro | 545 | Asp Leu Met Asp Ile | 550 | 555 |
| | | Arg Arg Tyr Arg Ser | | |
| | | Pro Glu Phe Arg Gly | | |
| | | Gln Ser Pro Thr Lys | | |
| | | Arg | | |

| | | | |
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| Glu Ile Val Lys | 950 | 955 | 960 |
| Pro Ser Pro Lys Arg | 965 | Lsy Met Glu Gly Asp | Val |
| Glu Lys Leu Glu | 980 | 970 | 975 |
| Arg Thr Pro Glu Lys | 985 | Asp Lys Ile Ala Ser | Ser |
| Thr Thr Pro Ala | 995 | Asn Arg Glu Thr Gly | Lys |
| Lys Ile Gly Asn | 1010 | 1000 | 1005 |
| Ala Glu Asn Ala Ser | 1015 | Thr Thr Lys Glu Pro | Ser |
| Glu Lys Leu Glu | 1025 | 1030 | 1020 |
| Lys Gly Lys Ala | 1040 | Gly Ser Glu Gly Ser | Val |
| Ser Thr Leu Val | 1055 | 1045 | 1035 |
| Pro Val Arg Lys | 1070 | Ser Ser Thr Gly Gly | Ser |
| Ile Lys Thr Met | 1085 | 1060 | 1065 |
| Glu Asp Val Ile | 1100 | 1075 | 1080 |
| Lys Asp Asp Phe | 1115 | 1090 | 1095 |
| Pro Ile Gln Ser | 1130 | 1105 | 1100 |
| Thr Thr Lys Pro | 1145 | 1120 | 1110 |
| Glu Gln Pro Glu | 1160 | 1135 | 1125 |
| Glu Leu Met Gln | 1175 | 1150 | 1140 |
| Ser Glu Lys Gly | 1190 | 1165 | 1155 |
| Lys Asp Asn Pro | 1205 | 1180 | 1170 |
| Glu Ser Thr Val | 1220 | 1195 | 1185 |
| Leu Ser Gln Ser | 1235 | 1210 | 1200 |
| Ser Val Arg Gly | 1250 | 1225 | 1215 |
| Lys Lys Val Asp | 1265 | 1240 | 1230 |
| Arg Asp Glu Arg | 1280 | 1255 | 1245 |
| Arg Gly Lys Glu | 1295 | 1270 | 1260 |
| Glu Arg Asp Leu | 1310 | 1285 | 1275 |
| Ser Ser Pro Pro | 1325 | 1300 | 1290 |
| Tyr Glu Thr Lys | 1330 | 1315 | 1305 |
| | | 1330 | 1320 |
| | | | 1335 |
| | | | Lys |

| | | | | | |
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| Asn Ser Gly Lys | Glu Arg Glu Lys His | Ala Ala Glu Ala Arg | Asn | | |
| | 1355 | | 1360 | | 1365 |
| Gly Lys Glu Ser | Ser Gly Ala Asn Cys | His Val Tyr Leu Thr | Arg | | |
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| Gln Thr Leu Pro | Trp Arg Arg Ser Trp | Leu Leu Gly Arg Trp | Arg | | |
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| gaattgccaa | caaattggga | taagaacttt | gaatctgggtc | ctaggatcaa | aaagagcact | 120 |
| ggaattccta | gaagttttat | gatggaagtg | aaagatccta | acatgaaagg | tgcaatgctt | 180 |
| accaacactg | gaaaatatgc | aataccaact | atagatgcag | aggcctatgc | aatcggggaag | 240 |
| aaagagaaac | cacccttctt | accagaggag | ccatcatcat | cttcagaaga | agatgatcct | 300 |
| atcccagcag | agctcttgtg | cctcatctgc | aaagacatca | tgactgatgc | tgtgggtcatt | 360 |
| ccttgctgtg | gaaacagttc | atgtgatgaa | tgtataagaa | cgacactctt | ggagtcagat | 420 |
| aaacatacat | gtccaacatg | tcaccaaaaat | gatgtttctc | ctgatgcttt | aattgccaac | 480 |
| aagtttttac | gacaggctgt | taataacttt | aaaaatgaaa | ctggctatac | aaaacgacta | 540 |
| cgaaaacagt | tacctccatt | tttattttta | gtaccaccac | caagaccact | cagtcagcgg | 600 |
| aacctacagc | ctcgtagtag | atctccaata | ctaagacagc | aggatcctgt | agtattcagg | 660 |
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| gcccctcctg | tgtctggaaa | tccgtcttct | gctccagctc | cagtacctga | tataactgca | 840 |
| accgtgtcta | tatcagtcca | ctcagaaaaa | tcggatggac | cttttcggga | ttctgataat | 900 |
| aaattattgc | cagctgccgc | ccttacatca | gaacattcaa | agggagcctc | ttcaattgct | 960 |
| attactgctc | ttatggaaga | aaaaggggta | ccaggtacca | gtccttggaa | ctccatcttt | 1020 |
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| gggcgacacc | acagcgaacg | atcacagagg | actcaaagcc | catcacttcc | agcaactcca | 1260 |
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| ccctatagtg | ggatcatcgta | ttcaagaagt | tcatacactg | actcaagtca | aggtctgggt | 1620 |
| caacacattc | acgctcttac | tctcagtcct | tcagctgctc | acactctcga | tcttcttcac | 1680 |
| gatcatcccc | atcctccaga | agaggcagag | gcaagatctg | caatgattgt | tcacatgcca | 1740 |
| gatctcatgg | atatcgccca | tgctagggtca | aggtcacctc | cctatagacg | atatcgctca | 1800 |
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| gaagagaaag | aacgtgagta | ttttaataga | tacagagaag | ttccaccccc | ttatgacatc | 1920 |
| aaagcctatt | atgggcgag | tgtcgacttt | agagacccat | ttgagaaaga | acgctaccgg | 1980 |
| gaatgggaaa | ggaaataccg | agagtgggat | gagaagtact | acaaagggta | cgcggtggga | 2040 |
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| aatatcagaa | attcaccctt | cacaagaggc | cgcagagaag | actatgctgc | tggacaaagt | 2160 |
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| ccattaatta | gttgggggtgg | agtttactgt | actgtgaaat | tttcacattt | gaattttttt | 5160 | |
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